REPORT

Project mates:

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Number of nodes	Number of requests	Max hops
10	2	1
100	2	2
100	5	2
100	10	2
500	2	3
500	5	3
500	10	3
1000	2	3
1000	5	3
5000	2	4
5000	5	4
7000	2	4
7000	5	4
9000	2	4
9000	5	4
10000	2	4

Observation :

Since we convert every number into hexadecimal max hops is log^{n}_{16} where n is the number of nodes.